

IN THE CLAIMS

Please cancel claims 1-88, all of the claims in the verified translation of PCT/EP2005/050569. Additionally, please cancel claims 1-87 as submitted by KBA under Article 34 on September 28, 2005. Please add new claims 89-167 as follows.

Claims 1-88 (Cancelled)

89. (New) A device for transporting reels of material comprising:

a storage area;

a plurality of storage spaces in said storage area;

at least one primary transport carriage adapted to support a reel of material;

a web-processing machine including at least one web-processing station and a reel changer, said at least one web-processing station and said reel changer being arranged in a direction of web travel through said web-processing machine; and

a transport route for said primary transport carriage and extending from said storage area to said web-processing machine, said transport route being parallel with said direction of web travel through said web-processing machine, said at least one primary transport carriage being movable along said transport route for moving the reels of material.

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90. (New) The device of claim 89 further including a plurality of said primary transport carriages and wherein each of said primary transport carriages is assigned to

a fixed one of said plurality of storage space in said storage area.

91. (New) The device of claim 89 further including a secondary transport carriage, two of said primary transport carriages being supported on said secondary transport carriage, said secondary transport carriage being usable to travel along said transport route to said reel changer of said web-processing machine, at least two adjacent ones of said plurality of storage space being adapted to receive said secondary storage carriage and said two reels of material.

92. (New) The device of claim 89 wherein said transport route is located before, in said direction of web travel, said reel changer and said plurality of storage spaces are arranged on first and second sides of said transport route.

93. (New) The device of claim 89 wherein said plurality of storage spaces are arranged parallel to said direction of web travel and before said web-processing machine.

94. (New) The device of claim 89 further wherein said reels of material are removed from said storage spaces from a side of said storage spaces facing away from said web-processing machine.

95. (New) The device of claim 89 wherein said reels of material are stored in said storage spaces on ones of said primary transport carriages.

96. (New) The device of claim 89 further including a secondary transport carriage adapted to transport one of said primary support carriages.

97. (New) The device of claim 89 further including a reel preparation station adapted for application of splice elements to said reels of material and wherein said storage spaces are located intermediate said reel preparation station and said web-processing machine.

98. (New) The device of claim 89 wherein said storage area is an intermediate storage area.

99. (New) The device of claim 89 wherein at least two reels of material, which have been unpacked and prepared with splices, are held in said storage spaces.

100. (New) The device of claim 99 wherein all of said reels of material are prepared with said splices.

101. (New) The device of claim 89 wherein one of said primary transport carriages is positionable in each said storage space.

102. (New) The device of claim 101 wherein any ones of said primary transport carriages is reusable in any one of said plurality of storage spaces.

103. (New) The device of claim 89 further including a reel of material unpacking station and wherein said of at least one primary transport carriage can be moved along said transport route to said unpacking station.

104. (New) The device of claim 103 further including a splice preparation station and wherein said at least one primary transport carriage can be moved along said transport route to said splice preparation station.

105. (New) The device of claim 104 wherein said splice preparation station includes said unpacking station.

106. (New) The device of claim 96 wherein said transport route is a virtual extension of said direction of web travel.

107. (New) The device of claim 107 wherein said transport route is parallel to said direction of web travel.

108. (New) The device of claim 90 wherein said primary transport carriages are removable from said storage spaces from a side of said storage spaces facing away from said web-processing machine.

109. (New) The device of claim 89 further including branch lines extending perpendicularly from said transport route to said plurality of storage spaces.

110. (New) The device of claim 89 wherein said plurality of storage spaces are provided on one side of said transport route.

111. (New) The device of claim 96 further including a position-sensing system provided along at least a portion of said transport route and usable for precise positioning of said secondary transport carriages.

112. (New) The device of claim 89 further including a secured area positioned around said storage area.

113. (New) The device of claim 112 further including a perimeter fence defining said secured area.

114. (New) The device of claim 112 further including a reel changer area security system and forming said secured area.

115. (New) The device of claim 112 wherein said secured area includes at least one transfer channel.

116. (New) The device of claim 115 further including one of photoelectric beams and ultrasound sensors in said storage area at said transfer channel.

117. (New) The device of claim 116 wherein said one of said photoelectric beams and

ultrasound sensors are arranged at different levels.

118. (New) The device of claim 89 further including a plurality of said web-processing stations arranged one in front of the other in said direction of web travel.

119. (New) The device of claim 89 wherein said at least one web-processing station is a printing couple of a rotary printing press.

120. (New) The device of claim 119 wherein said printing couple defines a horizontal web path.

121. (New) The device of claim 89 wherein said storage area is a FIFO storage area.

122. (New) The device of claim 89 further including a web-processing machine control center adjacent said storage area.

123. (New) The device of claim 89 further including wheels on said at least one primary transport carriage and rails defining said transport route and adapted to receive said wheels.

124. (New) The device of claim 96 further including wheels on said secondary support carriage and rails defining said transport route and adapted to receive said wheels.

125. (New) The device of claim 124 further including primary transport carriage receiving rails on said secondary transport carriage.
126. (New) The device of claim 123 further including a primary transport carriage chain drive.
127. (New) The device of claim 125 wherein said primary transport carriage receiving rails on said secondary transport carriage are spaced at a distance from each other.
128. (New) The device of claim 127 wherein said rail spacing distance is greater than a maximum diameter of a reel of material to be transported.
129. (New) The device of claim 89 wherein at least some of said plurality of storage spaces accommodate at least a single one of said primary transport carriages.
130. (New) The device of claim 89 wherein a majority of said plurality of storage spaces accommodate at least a single one of said primary transport carriages.
131. (New) The device of claim 89 wherein each of said plurality of storage spaces accommodate at least a single one of said primary transport carriages.
132. (New) The device of claim 129 wherein others of said plurality of storage spaces accommodate at least two of said primary transport carriages.

133. (New) The device of claim 130 wherein said majority of said plurality of storage spaces accommodate at least two of said primary transport carriages.

134. (New) The device of claim 131 wherein all of said plurality of storage spaces accommodate at least two of said primary transport carriages.

135. (New) The device of claim 89 wherein at least one of said primary transport carriages is adapted to accommodate a partial reel of material.

136. (New) The device of claim 96 further including a second storage area, each of said first storage area and said second storage area being provided with said secondary transport carriages.

137. (New) The device of claim 136 further including two secondary transport carriage transport routes arranged parallel to each other.

138. (New) The device of claim 136 wherein said first and second storage areas are connected to each other by a track.

139. (New) The device of claim 136 further including a splice preparation area between said first and second storage areas.

140. (New) The device of claim 139 wherein said secondary transport carriage is

adapted to transport splice-prepared reels of material to said storage area.

141. (New) The device of claim 85 wherein each of said reels of material has a reel diameter and further wherein a spacing between adjacent ones of said storage spaces is greater than said reel diameter.

142. (New) The device of claim 89 wherein at least two of said storage areas located adjacent each other in said storage area each is sized to store two of said reels of material.

143. (New) The device of claim 141 wherein spacings of a majority of said storage spaces are greater than said reel diameter.

144. (New) The device of claim 142 wherein a majority of said storage areas are each sized to store two of said reels of material.

145. (New) The device of claim 143 wherein spacings of all of said storage spaces are greater than said reel diameter.

146. (New) The device of claim 144 wherein all of said storage areas are each sized to store two of said reels of material.

147. (New) The device of claim 89 wherein at least three of said storage spaces are

arranged on both of first and second sides of said transport route.

148. (New) The device of claim 89 wherein at least two adjacent ones of said storage spaces are adapted to store new ones of said reels of material.

149. (New) The device of claim 148 wherein at least a majority of said storage spaces are adapted to store said new ones of said reels of material.

150. (New) The device of claim 149 wherein all of said storage spaces are adapted to store said new ones of said reels of material.

151. (New) The device of claim 89 wherein reels of material having a maximum reel diameter can be stored in at least two adjacent ones of said storage spaces arranged directly one in front of the other in said direction of web travel.

152. (New) The device of claim 151 wherein said reels of material having said maximum reel diameter can be stored in a majority of said adjacent ones of said storage spaces.

153. (New) The device of claim 151 wherein said reels of material having said maximum reel diameter can be stored in all of said adjacent ones of said storage spaces.

154. (New) The device of claim 119 wherein said at least one printing couple, said reel changer and said storage area are in a common plane.

155. (New) The device of claim 154 including a plurality of printing couples in said web-processing machine and all on said common plane.

156. (New) The device of claim 89 wherein said web processing machine has a single reel changer.

157. (New) The device of claim 96 further including a web dryer in said web-processing machine and when a secondary support carriage transport route is aligned with a longitudinal axis of said web dryer.

158. (New) The device of claim 96 further including a web dryer in said web-processing machine and wherein a secondary transport carriage transport route is parallel to and offset from a longitudinal axis of said web dryer.

159. (New) The device of claim 89 further including reel transport device means in a majority of said storage spaces.

160. (New) The device of claim 89 further including an under floor transport carriage conveyance system in each of a majority of said storage spaces.

161. (New) The device of claim 160 wherein each under floor transport carriage conveyance system has a continuous mode of propulsion.

162. (New) The device of claim 161 wherein said continuous mode of propulsion is a chain.

163. (New) The device of claim 89 further including a drive for each said primary transport carriage.

164. (New) The device of claim 159 wherein each said storage space includes one of said reel transport drive means.

165. (New) The device of claim 160 wherein each of said storage spaces has an under floor transport carriage conveyance system.

166. (New) The device of claim 96 wherein said secondary transport carriage has a separate drive.

167. (New) The device of claim 166 wherein said secondary transport carriage is independent of a primary transport carriage drive means.